CLAIMS

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1. A fluidic damper comprising:-

A closed cylinder (100) filled with fluid, containing a valve mechanism (90) attached to a piston rod (110), a portion of which (the piston rod) emerges through an opening in an end wall of the cylinder (100),

Wherein the valve mechanism (90) comprises

A disc (10) having multiple passages for fluid to flow from one side of the said disc (10) to the other side, and an axle (15) with one or more guide members (17) disposed on the surface of the said axle (15) at an angle;

An rotable annular cover piece (20) which rotates about the said axle (15), such that rotation of the cover piece (20) in one direction closes the said openings and in the other direction opens up the said openings;

An annular turning piece (40), which is structurally connected to the cover piece (20), having some form of retention mechanism (45) for holding itself (the turning piece) onto the said guide member (17) wherein the retention mechanism fits or engages slidingly to the said guide member (17) on the surface of the said axle (15), so that the turning piece (40) rotates when the retention mechanism (45) slides along the guide member (17);

- A resilient means disposed between the said turning piece (40) and the said cover piece (20), to push the turning piece (40) back to its original position and consequently rotates the cover piece (20) to a position that opens up the openings of the said disc (10).
- 2. A fluidic damper according to claim 1 wherein the guide member (17) is a ridge and the retention mechanism (45) is notch on the inner surface of the turning piece (40).

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 - 3. A fluidic damper according to claim 1 wherein the guide member (17A) is a groove and the retention mechanism (45A) is knob extending from the inner surface of the turning piece (40).
- A fluidic damper according to claim 1 or 2 wherein the resilient means is a spring wound (30) around the said axle (15).
 - 5. A fluidic damper according to any of the preceding claims wherein the turning piece (40) is structurally connected to the cover piece (20) by means of claws (25) extending from the cover piece (20) to the said turning piece (40).

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- 6. A fluidic damper according to any of the preceding claims wherein the axle (15) is a hollow tube to receive the piston rod (110).
- A fluidic damper according to any of the preceding claims wherein the fluidic damper further comprises a spring (120) which connects the closed end of the cylinder (100) to the assembly of valve mechanism (90) and piston rod (110).